VSC 100/VSC 100GX

Operation

Extron's VSC 100 & VSC 100GX convert computer scan rates up to 1024 x 768 to NTSC/PAL, S-Video and 15.75 kHz RGBS outputs and requires no software when connected between the computer and the desired output (Projector, VCR, or any compatible video display). The **VSC 100GX** has the same features as the **VSC 100** with the addition of Genlock, which allows its output to be synchronized to other devices, and **component video** output. These instructions are for both models, except where otherwise specified.

Front Panel Controls & Indicators

Freeze (switch & LED) - Allows for a still image capture of a scan-converted computer screen.

Centering/Pan – Shifts the image up or down on the screen. (V shift, or centering) In **Zoom** mode, it becomes the up/down pan control.

Centering/Pan – Shifts the image to the left or right on the screen. (H shift, or centering) In **Zoom** mode, it is the left/right pan control.
Min. Max. LEDs – Flash when the range has reached a limit.

Zoom/Over/Under– Selects from 3 viewing modes: Zoom, Overscan or Underscan. Use **Overscan** or **Underscan** to fit image onto the screen, or **Zoom** in and Pan for close-up viewing.

Horz Filter – 2-position switch used to select best picture detail.

Vert Filter – Select from 3 positions to eliminate flicker on output image.

S-Video/RGB – Select RGB (RGBS or RGBHV) or S-Video output. An LED on the back panel will light next to the active output connector(s). (Composite video output is always active.)

Signal Lock LED – Off = no signal; Blinking = out of range; On = within range.

Outputs (see rear panel)

a. **Composite (NTSC/PAL)** - A BNC connector for NTSC or PAL composite video, depending on the position of the PAL Out DIP switch on the rear panel. This output is always available. Use BNC/RCA adapter (10-264-01) if required.

b. **S-Video** - A 4-pin mini-din connector outputs S-Video or Hi-8 style video. The LED **lights** when this output is active.

c. **RGBS** or **RGBHV**- 4 BNC connectors provide Red, Green, Blue and Composite Sync, or use all 5 BNCs to include separate Horizontal and Vertical sync. The LED **lights** when this output is active.

d. The **VSC 100GX** also provides a **component** video output which is activated by the R-Y/Y/B-Y–RGBS DIP switch on the rear panel. This uses BNC connectors marked: R-Y, Y and B-Y.

DIP Switches (see rear panel)

R-Y/Y/B-Y Out (GX only) – Down = RGBS/RGBHV video out; Up = Component video out. Use R, G and B output connectors.

HV Out – Down for RGBS out; **Up** for RGBHV out.

PAL Out Switch – Down for selection of NTSC (525 lines); Up for PAL video output (625 lines).

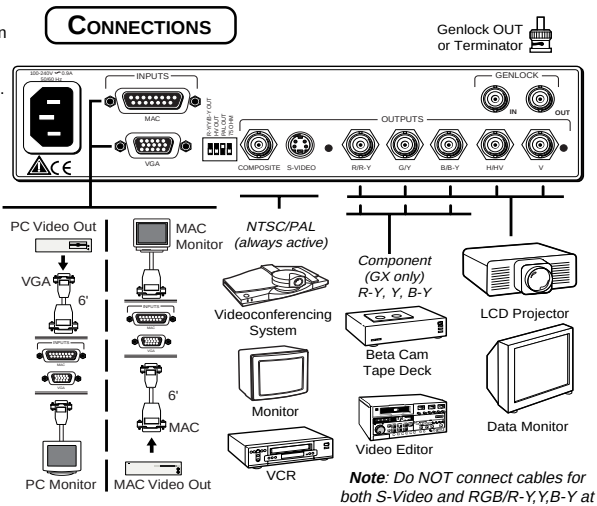
75 Ohm DIP Switch (rear panel) - monitor termination:
Down = using local monitor (Hi-Z)
Up (75 Ohm) = not using a local monitor.

Installation

Use this procedure to connect a **VGA PC** or a **MAC System** to a **VSC 100/GX.**

1. Power Off – Turn computer and monitor **Off** and disconnect the power cord from the VSC 100/GX.
2. **Outputs –** Connect **only** the cable(s) for the desired format to the output device (RGBS, S-Video or Composite Video - Component video available on VSC 100GX). Connecting both S-Video and RGB outputs will cause a weak output signal and wrong colors may display. Composite video output is always available (may require BNC/RCA adapter 10-264-01).
3. **Inputs –**Adapter cable (26-462-01) is used for both the Mac and PC. Connector type and gender prevent any improper connections between the computer, monitor and VSC 100/GX. See Rear Panel connectors.
   a. Mac – Connect the monitor cable to the **Mac Input** connector. Connect adapter cable (26-462-01) from the Mac to the **VGA Input** on the rear .
   b. PC – Connect the monitor cable to the **VGA Input** connector. Connect adapter cable (26-462-01) from the PC to the Mac Input.
4. Connect the AC power cord to an active power source.
6. Turn computer **monitor** power **On** and then turn computer (**CPU**) **On**.
7. For the **VSC 100GX**, connect an external timing signal to the Genlock input. Use the Genlock output to daisy-chain the timing signal to another device, or install terminator if no other device. See User's Manual (68-395-01) for details on Genlock connectors and controls.

Connections



***Note**: Do NOT connect cables for both S-Video and RGB/R-Y,Y,B-Y at the same time.*

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Refer to the safety instructions in the literature that came with this equipment.

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